

INSTALLATION AND USER MANUAL

Ecosun IRC

Ecosun IRC xxx X xxx / xxx

Length			
Width			
Wattage			



FENIX

1. Use

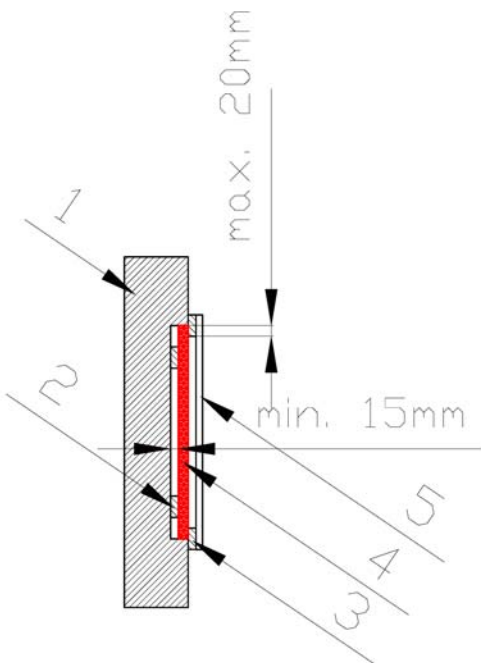
- Heating unit for infra saunas and infra cabins.
- The IRC panel set must contain one (only one) IRC panel with an integrated temperature sensor.
- Panels can be mounted onto materials or embedded in materials of flammability class C and D (Recommended materials Abachi – African willow, Hemloch – Canadian pine, Northern spruce, Cedar and Poplar).

2. Connection

- Power supply: 230V/50Hz.
- Protection class I.
- IP 44
- The panel must be operated with IRT regulation (it is not equipped with a thermal fuse).

3. Installation

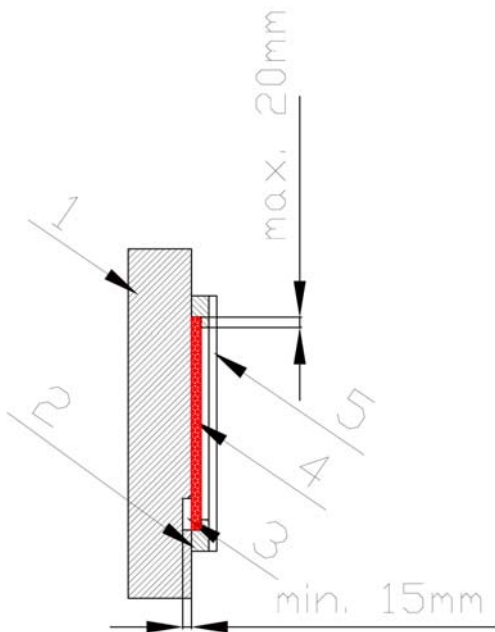
- The panels are designed for vertical mounting
- The panel is 12 mm thick.
- The panels can be in contact with objects of class C, D
- The panel must be placed so that a dilatation gap with a minimum thickness of 5 mm is created
- The niche for the panel should have a maximum depth of 30 mm
- Ecosun IRC must be installed at a minimum distance of 50 mm from the floor or ceiling



- 1) Wall of the sauna
- 2) Base supports
- 3) Cover strip
- 4) Ecosun IRC
- 5) Cover grid

Procedure:

- Screw the base supports with a minimum thickness of 10 mm (leaving space for the pulling through of the supply cable) into the prepared opening using screws.
- Slide in the panel and screw on the cover strips using screws, along the whole edge of the panel; the strip can cover the panel to a max. of 20 mm.
- Screw on the cover grid.



- 1) Wall of the sauna
- 2) Cover strip
- 3) Opening for the supply conductor
- 4) Ecosun IRC
- 5) Cover grid

Procedure:

- Screw on the bottom cover strip, insert the Ecosun IRC panel
- Attach the remaining cover strips. The strips can cover the panel by a maximum of 20 mm.
- Attach the cover grid using screws

4. Important information

- Use of an infrared cabin is not recommended for up to 24 hours after exposure to UV radiation from artificial sources or sun bathing.
- Persons who are susceptible to overheating, such as persons suffering from cardiovascular diseases, should consult a physician before using infrared heat cabins.
- If erythema persists (reddening of the skin which lasts longer than one day), and if colour changes persist after exposure to infrared radiation, exposure should not be repeated and medical help should be sought in order to prevent the appearance of erythema *ab igne*
- You should not use infrared heat cabins if you are sensitive to heat or under the influence of alcohol or narcotic substances
- Ecosun IRC can be covered to a maximum of 30% of the front area.
- The cover grid can be in contact with the front radiant area of the panel.
- The maximum thickness of the base support on the cover grid can be 20 mm.
- The supply connection is equipped with a device for disconnecting from the mains in which the distance between the disconnected contacts equals at least 3.5 mm for all poles. Always use a residual current device with an actuating current of $I_{\Delta n} = 30\text{mA}$.
- If the connection lead of this appliance is damaged, it must be replaced by the manufacturer or a service technician.
- Use of gloves is recommended while manipulating the panel so that the radiant front surface of the panel is not made dirty.
- Cleaning can be carried out using water with detergent and a soft brush.
- This appliance is not designed to be used by people (including children) whose physical, sensorial or mental disability or lack of experience and knowledge prevent them from safely operating the appliance, unless they are supervised or were instructed how to use the appliance by a person who is responsible for their safety.
- Children should be supervised in order to ensure that they won't play with the appliance.
- The connection of the product to the mains must comply with general safety requirements as well as the technical standards for the connection of electrical appliances. The installed plug has a lower coverage than the product; its removal doesn't constitute a reason for loss of warranty.
- The panel must not be located directly under mains outlet.

- It isn't necessary to install means to prevent the placement of flammable objects above the heating element.
- The IRC panel should have an output ranging from 500W/m² to 700W/m² for sauna use at 60°C. Insufficient wattage results in a long wait time until the operating temperature in the room is achieved, and excess wattage is limited by the IRT01 regulator.
- The internal height of the infrared sauna/cabin should exceed 1800mm.
- IRC panels do not use up oxygen or emit any substances which would require air ventilation during their operation. Nevertheless, we recommend that air ventilation be installed in the infrared sauna/cabin.
- The connection of panels with the IRT01 control unit is described in the IRT01 instruction manual.
- The placement of the IRT01 control unit in the infrared sauna/cabin is described in the IRT01 instruction manual.

5. Warranty

- A 24-month warranty from the date of purchase of the product is provided, which applies to defects in materials and manufacturing. The warranty does not apply in the case that defects were caused by non-expert intervention, careless manipulation, wrong use or defects caused by transport or unsuitable storage of the radiator. The producer is not responsible for indirect damage caused by the use of this radiator

Type of product:

Date:

Stamp, signature :

Production number (label on the reverse side of the panel): ___ X ___ / ___



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